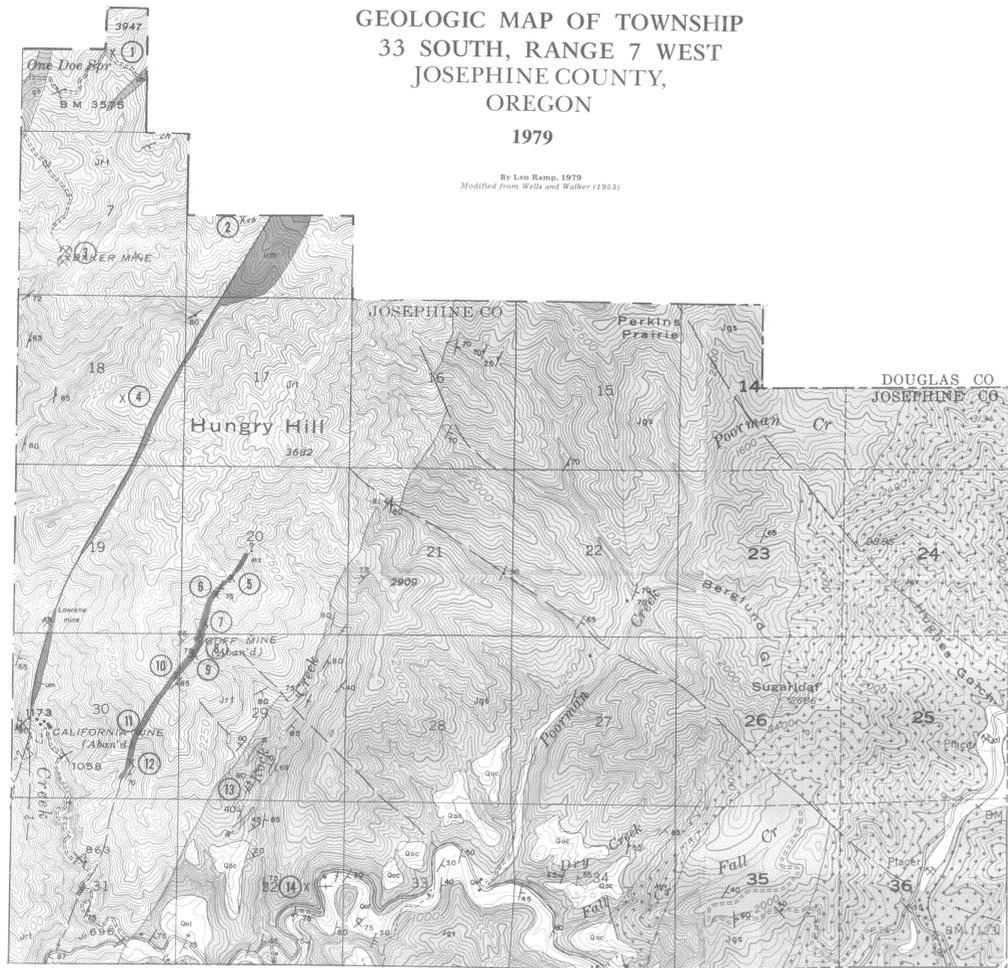


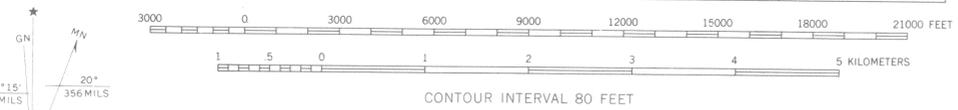
**GEOLOGIC MAP OF TOWNSHIP  
33 SOUTH, RANGE 7 WEST  
JOSEPHINE COUNTY,  
OREGON**

1979

By Len Ramp, 1979  
Modified from Wells and Walker (1952)



SCALE



UTM GRID AND 1954 MAGNETIC NORTH  
DECLINATION AT CENTER OF SHEET

**GEOLOGIC MAP OF TOWNSHIP  
33 SOUTH, RANGE 7 WEST  
IN JOSEPHINE COUNTY**

**EXPLANATION**

**SEDIMENTARY AND LAYERED VOLCANIC ROCKS**

- Qal** Alluvium: Gravel, sand, silt, and colluvium along creeks and low-level bench gravels along Grace and Wolf Creeks. Unit is generally gold bearing. Included in Qs on Geologic Map of Josephine County (Plate 1)
- Qoc** Old Channel gravel: Poorly sorted, locally decomposed gravel intermixed with layers of gray clay and buff to red sandy soil from 200 to 600 ft above present stream level. Unit is usually gold bearing. Included in Qs on Geologic Map of Josephine County
- Jgs** Galice Formation metasedimentary rock: Dark-gray to black, thin-layered slaty siltstones with less abundant graywacke sandstones and minor layers of grit. Small lenticular quartz veins are common in some areas of slaty siltstone
- Jgv** Galice Formation metavolcanic rock: Andesitic lava flow rock, agglomerates, tuff breccias, and interbedded tuffaceous sedimentary rocks. Included in Jgv on Geologic Map of Josephine County (Plate 1)
- Jr** Rogue Formation: Layered siliceous to basic metavolcanic rocks, largely tuffs and tuff breccias with mainly andesitic lava flow rock and some agglomerates with minor interbedded tuffaceous sedimentary rock and chert. Undifferentiated Rogue Formation (Jr). Area of mostly tuff (Jr-t). Small area of chert (ch). Included in Jgv on Geologic Map of Josephine County (Plate 1)

**INTRUSIVE AND MINERALIZED ROCKS**

- d1** Quartz diorite: Small, deeply weathered dikes, probably quartz diorite composition. Intrudes Galice Formation sedimentary rock
- gb** Gabbro: Stringers and lenses of dike-like gabbro and diabase intrusive rock in Rogue Formation occurring at One Doe Spring and mainly west of the map area
- um** Serpentine: Altered peridotite; highly sheared where intruded along fault zones as west of Hungry Hill. Equivalent to um on Geologic Map of Josephine County (Plate 1)
- sp** Mineralized zone: Altered, pyrite-impregnated, tuffaceous rocks with lenses of barite and massive pyrite at the Goff Mine, occurring parallel to layers and foliation in the Rogue Formation (Jr)

Table 5. Sample assay results T, 33 S., R. 7 W.

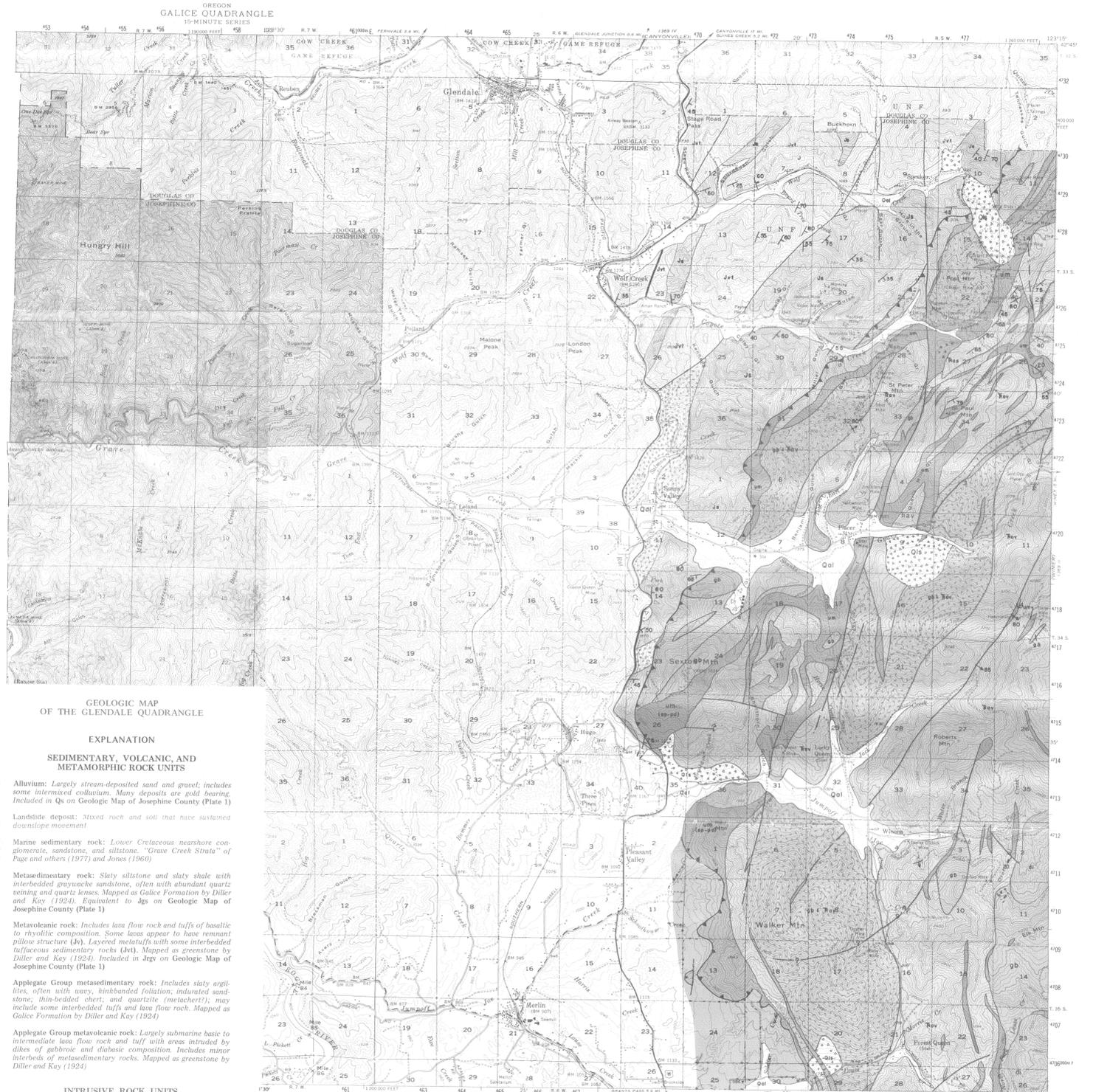
Map number	Sample number	Sample type	Matrix or group	Location	As	Ag	Cu	Zn	Description
					ppm	ppm	ppm	ppm	
1	AMG-37	Gravel	Fluvial	R 7 W 8 S 33	105	47	100	26	Vein quartz in chert.
2	AMG-38	Gravel	None	NE SW 8 T 33	190	20	100	26	Vein quartz in chert.
3	AMG-36	Ediac. chip	Baker Mine	SW 7 S 33	6.1	190	20	100	Vein quartz in chert.
4	AMG-35	Gravel	None	SW SE 18 S 33	NAI	105	30	100	Altered dioritic volcanic rock (Jr-t).
5	AMG-39	Multiple gub.	Goff zone	N SW 20 S 33	0.055	0.2	495	44	Gabbro. Layered outcrop of mafic volcanic rock with abundant linacite.
6	AMG-40	Multiple gub.	Goff zone	SW 20 T 33	Trace	NAI	575	118	Gabbro. Layered outcrop of mafic volcanic rock with abundant linacite.
7	AMG-41	Gravel	Goff zone	SW SW 20 S 33	0.005	NAI	2,200	109	Linacite goss.
8	AMG-15	Gravel	Goff Mine	NW NW 29 S 33	0.13	4.99	-----	-----	Mud- or loam-like with minor disseminated sulfide from ore gub.
9	AMG-34	Ediac. chip	Goff Mine	NW NW 29 S 33	0.01	NAI	855	4,900	Clipped zone of altered zone in silt.
10	AMG-42	Multiple gub.	Goff zone	E NE SW 0.01 NAI	510	78	-----	-----	Layered outcrop of mafic metavolcanic rock with abundant linacite goss.
11	AMG-43	Multiple gub.	Goff zone	N SE 30 T 33	Trace	Trace	400	202	Clipped zone of altered zone in silt.
12	AMG-44	Ediac. chip	Goff zone	SE SW 0.01 NAI	110	72	-----	-----	Layered outcrop of mafic metavolcanic rock with abundant linacite goss.
13	AMG-14	Gravel	None	SE SW 29 S 33	0.24	0.32	-----	-----	Layered outcrop of mafic metavolcanic rock with abundant linacite goss.
14	AMG-33	Gravel	None	E1 SW 0.02 NAI	110	26	-----	-----	Vein quartz in slaty siltstone.

Geologic Symbols

- Contact.**
- Fault** dashed where approximate; dotted where concealed. Arrow shows direction of dip. Bar and Ball on downthrown side.
- Thrust fault** dashed where approximate; dotted where concealed. Teeth on upper plate.
- Strike and dip of layered rocks.**
- Strike and dip of foliation.**
- Strike of vertical layers.**
- Strike of vertical foliation.**
- Strike and dip of overturned layers.**
- Sample site.**
- Areas of thin partial colluvium cover.**

**GEOLOGIC MAP  
OF THE GLENDALE QUADRANGLE (in part)  
JOSEPHINE COUNTY, OREGON  
1979**

STATE OF OREGON  
DEPARTMENT OF GEOLOGY AND MINERAL INDUSTRIES  
DONALD A. HULL, STATE GEOLOGIST



**GEOLOGIC MAP  
OF THE GLENDALE QUADRANGLE**

**EXPLANATION  
SEDIMENTARY, VOLCANIC, AND  
METAMORPHIC ROCK UNITS**

- Qal** Alluvium: Largely stream-deposited sand and gravel; includes some intermixed colluvium. Many deposits are gold bearing. Included in Qs on Geologic Map of Josephine County (Plate 1)
- Qis** Landslide deposit: Mixed rock and soil that have sustained downslope movement
- Ks** Marine sedimentary rock: Lower Cretaceous nearshore conglomerate, sandstone, and siltstone. "Grace Creek Strata" of Page and others (1977) and Jones (1960)
- Js** Metasedimentary rock: Slaty siltstone and slaty shale with interbedded graywacke sandstone, often with abundant quartz veining and quartz lenses. Mapped as Galice Formation by Diller and Kay (1924). Included in Jgs on Geologic Map of Josephine County (Plate 1)
- Jvt** Metavolcanic rock: Includes lava flow rock and tuffs of basaltic to rhyolitic composition. Some lavas appear to have remnant pillow structure (Jv). Layered metatuffs with some interbedded tuffaceous sedimentary rocks (Jvt). Mapped as greenstone by Diller and Kay (1924). Included in Jgv on Geologic Map of Josephine County (Plate 1)
- bas** Applegate Group metasedimentary rock: Includes slaty argillites, often with wavy, kinkbedded foliation; indurated sandstone; thin-bedded chert; and quartzite (metachert); may include some interbedded tuffs and lava flow rock. Mapped as Galice Formation by Diller and Kay (1924)
- rav** Applegate Group metavolcanic rock: Largely submarine basic to intermediate lava flow rock and tuff with areas intruded by dikes of gabbroic and diabasic composition. Includes minor interbeds of metasedimentary rocks. Mapped as greenstone by Diller and Kay (1924)

**INTRUSIVE ROCK UNITS**

- d1** Quartz diorite and related rock: Largely quartz-biotite-hornblende diorite with a few small areas of granodiorite and minor pegmatite and aplite dikes
- gb** Gabbroic rock: Includes cumulate gabbro, metagabbro (hornblende gabbro and amphibolite), and areas with abundant gabbroic and diabasic dikes in basaltic rocks
- gb-1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51,52,53,54,55,56,57,58,59,60,61,62,63,64,65,66,67,68,69,70,71,72,73,74,75,76,77,78,79,80,81,82,83,84,85,86,87,88,89,90,91,92,93,94,95,96,97,98,99,100** Dike rock: Areas of abundant gabbro and diabase dike swarms intruding metabasalt of the Applegate Group
- um** Ultramafic rock: Largely serpentine (sp) with some partly serpentinized peridotite in larger bodies (sp-pd). Equivalent to um on Geologic Map of Josephine County



SCALE 1:62,500

COMPILED BY Len Ramp 1979  
Cartography by C. A. Schumacher 1979

Modified after Diller and Kay (1942); and Page and others (1978).